



SEQUENCE LISTING

<110> JOHANNES, Ludger, et al.

<120> UNIVERSAL CARRIER FOR TARGETING MOLECULES TO GB3 RECEPTOR EXPRESSING CELLS

<130> 2121-0176P

<140> US 10/628,415

<141> 2003-07-29

<150> PCT/EP 02/01627

<151> 2002-02-01

<150> EP 01400255.4

<151> 2001-02-01

<160> 7

<170> PatentIn Ver. 2.1

<210> 1

<211> 90

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Universal
carrier

<400> 1

Met Lys Lys Thr Leu Leu Ile Ala Ala Ser Leu Ser Phe Phe Ser Ala
1 5 10 15

Ser Ala Leu Ala Thr Pro Asp Cys Val Thr Gly Lys Val Glu Tyr Thr
20 25 30

Lys Tyr Asn Asp Asp Asp Thr Phe Thr Val Lys Val Gly Asp Lys Glu
35 40 45

Leu Phe Thr Asn Arg Trp Asn Leu Gln Ser Leu Leu Leu Ser Ala Gln
50 55 60

Ile Thr Gly Met Thr Val Thr Ile Lys Thr Asn Ala Cys His Asn Gly
65 70 75 80

Gly Gly Phe Ser Glu Val Ile Phe Arg Cys
85 90

<210> 2

<211> 270

<212> DNA

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<223> Description of Artificial Sequence: Polynucleotide

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acgcctgatt gtgtaactgg aaaggtggag tatacaaaat ataatgatga cgataccttt 120
acagttaaag tgggtgataa agaattattt accaacagat ggaatcttca gtctcttctt 180
ctcagtgcgc aaattacggg gatgactgta accattaaaa ctaatgcctg tcataatgga 240
gggggattca gcgaagttat ttttcgttgt 270
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<223> Description of Artificial Sequence: Primer A

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<210> 4

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer B

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gagctattct gagtcaacac gaaaaataac ttc 33
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<210> 5

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<223> Description of Artificial Sequence: Primer A'

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<222> (1)..(17)

<223> Primer ShigaAtpE

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<222> (1)..(15)

<223> Primer Shiga-fd

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cggcgcaact atcgg

15

<210> 7

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic peptide derived from chicken ovalbumin

<400> 7

Leu	Glu	Gln	Leu	Glu	Ser	Ile	Ile	Asn	Phe	Glu	Lys	Leu	Thr	Glu	Trp
1				5				10						15	

Ser	Leu	Lys	Ile	Ser	Gln	Ala	Val	His	Ala	Ala	His	Ala	Glu	Ile	Asn
			20					25					30		

Glu	Ala	Gly	Arg
			35